

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Richard Myers on October 6, 2010.

The application has been amended as follows:

Abstract, last line, delete "plan" and insert --plane--

Delete claim 30 in its entirety and insert the following:

--An arrangement for cooling a roll, the arrangement comprising:

 a housing to be secured to the roll, the housing mounted for rotation about a hollow shaft of the roll, the shaft having a length and a longitudinal axis;

 a cooling medium delivery flowpath being provided in an elongate cooling medium line conduit extending into the roll and delivering cooling medium into the roll;

 a return flowpath for outflow of cooling medium out of the roll to an outlet such that at least part of the elongate cooling medium line conduit is positioned in the interior of the shaft along the longitudinal axis of the shaft, wherein the return flowpath is defined between an outer surface of the elongate cooling medium line conduit and an internal surface of the shaft;

 wherein the elongate cooling medium line conduit is connected to an elbow portion, a first length of the elbow portion extending from an inlet substantially perpendicular to the longitudinal axis of the shaft and a second length of the elbow portion extending from the first

length in the direction of the longitudinal axis of the shaft, the elongate cooling medium line conduit being connected to the second length of the elbow portion; and

wherein the elongate cooling medium line conduit and the elbow portion remain stationary as the housing rotates.--

In claim 31, line 2, delete “an” and insert --the--

In claim 32, line 1, delete “claim 30” and insert --claim 30,--

In claim 33, line 1, delete “the” and insert --an--

In claim 35, line 2, delete “the external” and insert --an external--

In claim 35, line 3, delete “the external” and insert --an external--

Cancel claims 48 and 56-58

Allowable Subject Matter

It is in the opinion of the examiner that the art of record neither anticipates nor renders obvious “a housing to be secured to the roll, the housing mounted for rotation about a hollow shaft of the roll...wherein the elongate cooling medium line conduit and the elbow portion remain stationary as the housing rotates” in combination with the rest of the claimed limitations set forth in the independent claim.

Searching by the Examiner yielded prior art as cited in the previous Office Actions. Hunt (US Patent 1,850,878) discloses an arrangement for cooling a roll (11) comprising: a housing (32) to be secured to the roll and a hollow shaft (48) of the roll having a conduit (45) and corresponding cooling medium delivery and return flowpaths, as seen in Figure 2; and further defining an elbow portion (59) connected to the conduit, as seen in Figure 1. However, Hunt

does not disclose that the housing rotates about the hollow shaft as the conduit and elbow portion remain stationary and to modify the prior art would destroy the workability of the reference since the housing is held stationary by rod 65 [page 3, lines 28-31] and it has a threaded connection 41 to cooling supply 42 which also remains stationary [page 2, lines 42-46].

Based on Applicant's arguments and the Examiner's review of the Office Action mailed on March 2, 2010, the subject matter is deemed to be allowable. Further explanation can be reviewed in the Applicant's arguments filed on September 29, 2010 on pages 11-13. Therefore, it is concluded by the examiner that claims 30-45 and 49-55 of the present invention are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Teresa Bonk whose telephone number is 571-272-1901. The examiner can normally be reached on Monday -Friday 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dana Ross can be reached on 571-272-4480. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Teresa M. Bonk/
Examiner, Art Unit 3725